RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/652,791C

Source: _____ TFW16

·Date Processed by STIC: _____ 11/20/2006·

ENTERED

RAW SEQUENCE LISTING   DATE: 11/20/2006
PATENT APPLICATION: US/10/652,791C   TIME: 13:54:56

Input Set : **N:\efs\10652791c_efs\10652791_REVSeqList.txt**
Output Set: **N:\CRF4\11202006\J652791C.raw**

```
 3 <110> APPLICANT: Sirna Therapeutics, Inc.
 4       McSwiggen, James
 5       Chowrira, Bharat
 7 <120> TITLE OF INVENTION: RNA Interference Mediated Inhibition of Platelet-Derived
 8       Endothelial Cell Growth Factor (ECGF1) Gene Expression Using
 9       Short Interfering Nucleic Acid (siNA)
11 <130> FILE REFERENCE: 400/126 (MBHB 03-332-B)
13 <140> CURRENT APPLICATION NUMBER: US 10/652,791C
14 <141> CURRENT FILING DATE: 2003-08-29
16 <150> PRIOR APPLICATION NUMBER: US 10/422,704
17 <151> PRIOR FILING DATE: 2003-04-24
19 <150> PRIOR APPLICATION NUMBER: US 10/417,012
20 <151> PRIOR FILING DATE: 2003-04-16
22 <150> PRIOR APPLICATION NUMBER: PCT/US 03/05346
23 <151> PRIOR FILING DATE: 2003-02-20
25 <150> PRIOR APPLICATION NUMBER: PCT/US 03/05028
26 <151> PRIOR FILING DATE: 2003-02-20
28 <150> PRIOR APPLICATION NUMBER: US 60/358,580
29 <151> PRIOR FILING DATE: 2002-02-20
31 <150> PRIOR APPLICATION NUMBER: US 60/363,124
32 <151> PRIOR FILING DATE: 2002-03-11
34 <150> PRIOR APPLICATION NUMBER: US 60/386,782
35 <151> PRIOR FILING DATE: 2002-06-06
37 <150> PRIOR APPLICATION NUMBER: US 60/406,784
38 <151> PRIOR FILING DATE: 2002-08-29
40 <150> PRIOR APPLICATION NUMBER: US 60/408,378
41 <151> PRIOR FILING DATE: 2002-09-05
43 <150> PRIOR APPLICATION NUMBER: US 60/409,293
44 <151> PRIOR FILING DATE: 2002-09-09
46 <150> PRIOR APPLICATION NUMBER: US 60/440,129
47 <151> PRIOR FILING DATE: 2003-01-15
49 <160> NUMBER OF SEQ ID NOS: 225
51 <170> SOFTWARE: PatentIn version 3.2
53 <210> SEQ ID NO: 1
54 <211> LENGTH: 19
55 <212> TYPE: RNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
61 <400> SEQUENCE: 1
62 cccgccgccg gcaguggac                                              19
65 <210> SEQ ID NO: 2
66 <211> LENGTH: 19
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$CP3-10)$

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Input Set : **N:\efs\10652791c_efs\10652791_REVSeqList.txt**
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     67 <212> TYPE: RNA
     68 <213> ORGANISM: Artificial Sequence
     70 <220> FEATURE:
     71 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
     73 <400> SEQUENCE: 2
     74 ccgcugugcg cgaacccug                                        19

     77 <210> SEQ ID NO: 3
     78 <211> LENGTH: 19
     79 <212> TYPE: RNA
     80 <213> ORGANISM: Artificial Sequence
     82 <220> FEATURE:
     83 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
     85 <400> SEQUENCE: 3
     86 gaacccuacg gucccgacc                                        19
     89 <210> SEQ ID NO: 4
     90 <211> LENGTH: 19
     91 <212> TYPE: RNA
     92 <213> ORGANISM: Artificial Sequence
     94 <220> FEATURE:
     95 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
     97 <400> SEQUENCE: 4
     98 ccgcgggcga ggccgggua                                        19
    101 <210> SEQ ID NO: 5
    102 <211> LENGTH: 19
    103 <212> TYPE: RNA
    104 <213> ORGANISM: Artificial Sequence
    106 <220> FEATURE:
    107 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    109 <400> SEQUENCE: 5
    110 accugggcug ggauccgga                                        19
    113 <210> SEQ ID NO: 6
    114 <211> LENGTH: 19
    115 <212> TYPE: RNA
    116 <213> ORGANISM: Artificial Sequence
    118 <220> FEATURE:
    119 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    121 <400> SEQUENCE: 6
    122 agcaagcggg cgagggcag                                        19
    125 <210> SEQ ID NO: 7
    126 <211> LENGTH: 19
    127 <212> TYPE: RNA
    128 <213> ORGANISM: Artificial Sequence
    130 <220> FEATURE:
    131 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    133 <400> SEQUENCE: 7
    134 gcgcccuaag caggcccgg                                        19
    137 <210> SEQ ID NO: 8
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138 <211> LENGTH: 19
139 <212> TYPE: RNA

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Input Set : **N:\efs\10652791c_efs\10652791_REVSeqList.txt**
Output Set: **N:\CRF4\11202006\J652791C.raw**

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143 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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146 gagcgauggc agccuugau                                          19
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 19
151 <212> TYPE: RNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
157 <400> SEQUENCE: 9
158 ugaccccggg aaccggggc                                          19
161 <210> SEQ ID NO: 10
162 <211> LENGTH: 19
163 <212> TYPE: RNA
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
169 <400> SEQUENCE: 10
170 ccccacccgc gccugguga                                          19
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 19
175 <212> TYPE: RNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
181 <400> SEQUENCE: 11
182 acuucuccgg ggaagggag                                          19
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 19
187 <212> TYPE: RNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
193 <400> SEQUENCE: 12
194 gccagggacu ucccgaccc                                          19
197 <210> SEQ ID NO: 13
198 <211> LENGTH: 19
199 <212> TYPE: RNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
205 <400> SEQUENCE: 13
206 cuucgccaga gcccaagca                                          19
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 19
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211 <212> TYPE: RNA

212 <213> ORGANISM: Artificial Sequence

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      215 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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      218 agcucccgga gcugauccg                                              19
      221 <210> SEQ ID NO: 15
      222 <211> LENGTH: 19
      223 <212> TYPE: RNA
      224 <213> ORGANISM: Artificial Sequence
      226 <220> FEATURE:
      227 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
      229 <400> SEQUENCE: 15
      230 gcaugaagcg agacggagg                                              19
      233 <210> SEQ ID NO: 16
      234 <211> LENGTH: 19
      235 <212> TYPE: RNA
      236 <213> ORGANISM: Artificial Sequence
      238 <220> FEATURE:
      239 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
      241 <400> SEQUENCE: 16
      242 gccgccugag cgaagcgga                                              19
      245 <210> SEQ ID NO: 17
      246 <211> LENGTH: 19
      247 <212> TYPE: RNA
      248 <213> ORGANISM: Artificial Sequence
      250 <220> FEATURE:
      251 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
      253 <400> SEQUENCE: 17
      254 acaucagggg cuucguggc                                              19
      257 <210> SEQ ID NO: 18
      258 <211> LENGTH: 19
      259 <212> TYPE: RNA
      260 <213> ORGANISM: Artificial Sequence
      262 <220> FEATURE:
      263 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
      265 <400> SEQUENCE: 18
      266 ccgcuguggu gaaugggag                                              19
      269 <210> SEQ ID NO: 19
      270 <211> LENGTH: 19
      271 <212> TYPE: RNA
      272 <213> ORGANISM: Artificial Sequence
      274 <220> FEATURE:
      275 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
      277 <400> SEQUENCE: 19
      278 gcgcgcaggg cgcacagau                                              19
      281 <210> SEQ ID NO: 20
      282 <211> LENGTH: 19
      283 <212> TYPE: RNA
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284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:

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Input Set : **N:\efs\10652791c_efs\10652791_REVSeqList.txt**
Output Set: **N:\CRF4\11202006\J652791C.raw**

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    287 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    289 <400> SEQUENCE: 20
    290 ucggggccau gcugauggc                                                19
    293 <210> SEQ ID NO: 21
    294 <211> LENGTH: 19
    295 <212> TYPE: RNA
    296 <213> ORGANISM: Artificial Sequence
    298 <220> FEATURE:
    299 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    301 <400> SEQUENCE: 21
    302 ccauccgacu ucggggcau                                                19
    305 <210> SEQ ID NO: 22
    306 <211> LENGTH: 19
    307 <212> TYPE: RNA
    308 <213> ORGANISM: Artificial Sequence
    310 <220> FEATURE:
    311 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    313 <400> SEQUENCE: 22
    314 uggaucugga ggagaccuc                                                19
    317 <210> SEQ ID NO: 23
    318 <211> LENGTH: 19
    319 <212> TYPE: RNA
    320 <213> ORGANISM: Artificial Sequence
    322 <220> FEATURE:
    323 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    325 <400> SEQUENCE: 23
    326 cggugcugac ccaggcccu                                                19
    329 <210> SEQ ID NO: 24
    330 <211> LENGTH: 19
    331 <212> TYPE: RNA
    332 <213> ORGANISM: Artificial Sequence
    334 <220> FEATURE:
    335 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    337 <400> SEQUENCE: 24
    338 uggcucaguc gggacagca                                                19
    341 <210> SEQ ID NO: 25
    342 <211> LENGTH: 19
    343 <212> TYPE: RNA
    344 <213> ORGANISM: Artificial Sequence
    346 <220> FEATURE:
    347 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
    349 <400> SEQUENCE: 25
    350 agcuggagug gccagaggc                                                19
    353 <210> SEQ ID NO: 26
    354 <211> LENGTH: 19
    355 <212> TYPE: RNA
    356 <213> ORGANISM: Artificial Sequence
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358 <220> FEATURE:
359 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense region

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 11/20/2006
PATENT APPLICATION: **US/10/652,791C**   TIME: 13:54:57

Input Set : **N:\efs\10652791c_efs\10652791_REVSeqList.txt**
Output Set: **N:\CRF4\11202006\J652791C.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:207; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:208; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:209; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:210; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:211; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:212; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:213; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:214; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Seq#:215; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/652,791C**

DATE: 11/20/2006
TIME: 13:54:57

Input Set : **N:\efs\10652791c_efs\10652791_REVSeqList.txt**
Output Set: **N:\CRF4\11202006\J652791C.raw**

```
L:3314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207 after pos.:0
L:3346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:208 after pos.:0
L:3369 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:0
L:3402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:210 after pos.:0
L:3435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:211 after pos.:0
L:3467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:0
L:3500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213 after pos.:0
L:3532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:214 after pos.:0
L:3565 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 after pos.:0
```